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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/001,986	10/31/2001	Henry Stephen Eilts	TI-32977 2814	
	7590 01/05/200 UMENTS INCORPO	EXAMINER		
P O BOX 65547	74, M/S 3999	WANG, TED M		
DALLAS, TX 75265			ART UNIT	PAPER NUMBER
			2611	
SHORTENED STATUTORY	Y PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE	
3 MON	NTHS	01/05/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

	Application No.	Applicant(s)				
	10/001,986	EILTS ET AL.				
Office Action Summary	Examiner	Art Unit				
	Ted M. Wang	2611				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA  - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period w  - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim vill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	l. ely filed the mailing date of this communication. O (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 12 De	ecember 2006					
· — · · — — · · · · — — — · · · · · · ·	action is non-final.					
. —						
	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
4)⊠ Claim(s) <u>1,2,4,7-13,15-23,25-31,33-35,37,38,40 and 42</u> is/are pending in the application.						
	4a) Of the above claim(s) is/are withdrawn from consideration.					
5) Claim(s) 1,2,4,7-13,15-23,25-31,33,40 and 42 is/are allowed.						
6)⊠ Claim(s) <u>74,24,7-13,73-23,23-31,33,40 and 42</u> is/are allowed.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/or	r election requirement.	•				
	- discount requirements					
Application Papers						
9) The specification is objected to by the Examine						
10) ☐ The drawing(s) filed on is/are: a) ☐ acce	•					
Applicant may not request that any objection to the						
Replacement drawing sheet(s) including the correct						
11) ☐ The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152.				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign  a) All b) Some * c) None of:  1. Certified copies of the priority documents  2. Certified copies of the priority documents  3. Copies of the certified copies of the priority documents  application from the International Bureau  * See the attached detailed Office action for a list	s have been received. s have been received in Application ity documents have been received (PCT Rule 17.2(a)).	on No ed in this National Stage				
Attachment(s)						
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Distribute Statement(s) (PTO/SB/08) 4) Interview Summary (PTO-413) Paper No(s)/Mail Date 5) Notice of Informal Patent Application						
Paper No(s)/Mail Date	6) [ Other:	·				

#### **DETAILED ACTION**

## Response to Arguments

1. The indicated allowability of claims 34, 35, 37 and 38 are withdrawn in view of the newly discovered reference. Rejections based on the newly cited reference(s) follow.

# Claim Objections

- 2. Claim 34 is objected to because of the following informalities:
  - □ Claim 34, line 2, change "the" to --- a ---.

Appropriate correction is required.

#### Claim Rejections - 35 USC § 112

- 3. The following is a quotation of the second paragraph of 35 U.S.C. 112:
  The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 4. Claims 34, 35, 37 and 38 are rejected under 35 U.S.C. 112 second paragraph, as being indefinite.
  - □ With regard claim 34, the limitation "the channel estimators" in line 12 as recited is indefinite since it is not clear that "the channel estimators" as recited is referred to the "partial channel estimate" (line 8) or the "aggregated channel estimate" (line 10).
  - □ With regard claim 38, the limitation "the channel estimators" in line 15 as recited is indefinite since it is not clear that "the channel estimators" as recited is referred to the "partial channel estimate" (line 9) or the "aggregated channel estimate" (line 13).

## Allowable Subject Matter

5. Claims 1, 2, 4, 7-13, 15-23, 25-31, 33, 40 and 42 are allowed.

#### Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ted M. Wang whose telephone number is 571-272-3053. The examiner can normally be reached on M-F, 7:30 AM to 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chieh Fan can be reached on 571-272-3042. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Ted M. Wang

Ted M Wang Examiner Art Unit 2611